The Houston Happenings

March Program: Tomas Bajza, Giant World of Miniature Orchids & Growing in Simple Setups By Nina Rach

Our March speaker is Tomas Bajza, a professed orchid addict who moved to Miami, FL from the Czech Republic 16 years ago. Tomas’ love of orchids began during his teenage years when he first saw a neighbor’s Paphs and Phals growing in a window. His first attempt with two phalaenopsis and one cymbidium, were both funny and sad. At that time, there was very little information available, so both phals were tortured with overwatering and lack of humidity and soon made their way to orchid heaven. The cymbidium survived, but never bloomed and when he went to college, he left the plant behind, only to come home and find it in full bloom with 40+ green waxy flowers! His Mother just “threw” it outside behind the Oleander bushes and watered and fertilized them at the same time.

It was 6 years after he moved to Florida before he began growing orchids there, starting with the usual grocery store offerings of phalaenopsis’ and dendrobiums and eventually adding cattleyas and vandas. These were all large orchids and mostly hybrids.

About 8 years ago, Tomas was introduced to a miniature orchid, Lepanthopsis astrophora, on one of the orchid forums and from that point on, was completely in love. Since then, continued on page 4

Presidents Post
By Rick Hepler

Hi HOS! I hope everyone made it through our short cold snap without any issues. I know all you ladies out there finally got to dust off your boots you’ve been waiting all fall to wear! Alas, with March fast approaching, the outside temperatures have started to creep back up. With those warmer temps, you should be seeing your flower spikes speeding upwards brought on by that February blue northern! Super! What we have all been watching for - February Boots and Blooms!

With any luck, some, if not all, of your plants will be set for a perfect display at our upcoming April Show for which Jay and Holly are working hard to make it a show to remember! If you missed last year’s show at the Memorial City Mall, you missed a treat (personal opinion). Set those dates aside for good orchid talk’in, buy’in and brag’in rights! It all begins on Thursday night, April 4th, with Jay’s pizza party/setup (as in everyone’s display). Then on Friday morning, before the mall opens to the public, the HOS will put the finishing touches on each of the displays and clean the area, to make ready for showing off! Everyone can continue working on their displays by buying more plants to add! An additional bonus: many passersby will strike up a conversation giving you that opportunity to draw another member into our fold! Nothing better than that in my opinion. Friday night will be HJC judging and HOS folks will be needed to help with the clerking duties. I always enjoy this time for learning more about orchids! Clerks assist the judges with locating displays, then the plants within the displays. Afterwards, clerks buzz like bees all over the displays adorning them with ribbons and trophies. Good Time!

Saturday and Sunday - more buying and just kicking back to enjoy all the hard work you completed over the past two days. Of course, more passersby striking up even more conversions making you feel important and you are! You represent the HOS, so thank you very much for your volunteer work and don’t forget your name badge. It will help you meet new people.
February is the month to remember how important it is to love and be loved. The plants on exhibit at the February meeting were testament to the passion HOS members have for growing and showing the lovely orchid. Fourteen hybrid plants produced by eight people graced the table. A range of colors and sizes of Cattleyas and Dendrobiums made up the majority of hybrids. A few slipper orchids and intergeneric crosses rounded out the display.

The winner of the popular vote was surprising to me. It was not the showiest bloom in the room, but might have had the least pleasant scent. Jay Balchan’s hybrid Bulbophyllum echinolabrium x phalaenopsis was voted as the favorite orchid in that division. The two star-shaped blossoms were deep red with some striping on a well-grown plant with medium green leaves. I suspect its attraction was due to it being a very unique product of Jay’s expertise, because there were many other plants with ‘prettier’ blooms.

Thank you, Father Ted Baezinger for providing an entertaining and informative description of the variety of plants on the hybrid table. You made it interesting and educational for the crowd.

On the species end of the room, thirteen HOS members brought twenty-one separate plants to the meeting. A wide array of orchids from around the world were exhibited. There was a two-way tie for first place in the popular vote for species plants.

Tan Tran’s Schoenorchis gemmata plant is a native of Asia. The leaves on this miniature sweetie have a cane-like growth habit and were very healthy and numerous. Even more numerous were the tiny blossoms on the myriad graceful bloom spikes growing from the leafy canes. The small blooms were swoops of deep purple with white accents. It was lovingly presented in a small porcelain container.

The second species winner belongs to Bill Bartlett. His Epidendrum conopseum var. mexicana was growing on a square of cork. The huge number of growths with masses of tiny flowers was presented atop a large ceramic vase that matched the dark brownish red of the throats of the yellow flowers. It’s delicious aroma filled the room as the blooms draped over the edge of the display.

Brandon Tam did the honors describing the plants on the species table directly after his entertaining program as the orchid expert for California’s Huntington Museum and Botanical Gardens. Afterwards, he told me he was very impressed with the quality and variety of plants grown by HOS members. He was also impressed by the number of people attending the meeting. Photos of winning plants on next page.

The Houston Orchid Society Show is the first weekend of April at Memorial City Mall. Setup is Thursday evening, April 4th, after 6 pm, and Friday morning, April 5th, starting at 7am. All large exhibit and vendor setup must be done by 10am Friday. Small items like rearranging plants in an exhibit, putting cloth around pots, registering plants, etc can be done after 10am, but all big items like bringing in plants and other exhibit material from your car needs to be done before 10am Friday.

We are going to use our regular April 4th HOS meeting as a Show setup party, so meet at the Mall that evening, any time after 6pm, instead of the Church. We will be providing pizza and other snacks Thursday night. Everyone is invited to participate, even if you don’t have a display since the vendors will need help as well.

As usual, plants must be entered for judging as early as possible. The deadline is 4:00 PM on Friday. You can still work on your exhibit until 6:30 pm after submitting the entry tags, when judging begins.

We do also have a few volunteer areas that still need some help. We need your help!!! All of these jobs are EASY, but they need you!! Please let either Holly or I know if you are willing to help!!

Clerking: On Friday evening, we have ribbon judging for all the plants entered from the exhibits. Clerks help the judges spot the plants and put ribbons on the winners. They also may be asked to help with the decisions. This is a fun way to learn about the flowers and why some merit ribbons and others don’t. Jay will coordinate the clerks, but we need you to volunteer to be a clerk! Please be available around 6pm if you want to participate.

Houston Orchid Society Exhibit: Loren Neufeld is once again arranging the HOS exhibit and will be there Thursday evening and Friday morning. Members of the society can bring their plants to be entered in our host society exhibit anytime during setup. Loren can certainly use help Thursday evening, Friday morning and then again Sunday late afternoon for exhibit tear down.

Children’s Table: This is an exhibit and learning area and is the first thing visitors see at the entrance to the Show. Kim Merchant is helping to coordinate this and we will have a signup sheet for volunteers to sign up for an hour or so at a time to assist children with some special games and activities. Nearly everyone who helped last year enjoyed the interaction with the kids and parents.

We have exhibit spaces left, but time is running short. Making your own table top exhibit is a great way to show off your creativity and plants. We need space requests as soon as possible so we can order the correct numbers of tables and backdrops.

If you want to do an exhibit, contact Holly Miller, 281-597-8792, holymill29@gmail.com.

We have had great support from our members in the past and we really need you to put on a great display of Houston hospitality and pride! I look forward to a fun and wonderful Show!
## February Plant Table Winners

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidendrum conopseum var. mexicana</td>
<td></td>
</tr>
<tr>
<td>Bulbophyllum echinolabium x Bulbophyllum phalaenopsis</td>
<td></td>
</tr>
<tr>
<td>Schoenorchis gemmata</td>
<td></td>
</tr>
</tbody>
</table>

## Stay-At-Home Orchids from Stephen Fox

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tolumnia Jairak Rainbow ‘Big Red’</td>
<td></td>
</tr>
<tr>
<td>Bulbophyllum ambrosia ‘Zia’s Ray’</td>
<td></td>
</tr>
<tr>
<td>Clowesia Rebecca Northen ‘Mikabi’</td>
<td></td>
</tr>
<tr>
<td>Psh. cochleata ‘Pepe’ x self</td>
<td></td>
</tr>
</tbody>
</table>

## Stay-At-Home Orchids from Judith & Loren Neufeld

<table>
<thead>
<tr>
<th>Plant Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blc Drumbeat Heritage</td>
<td></td>
</tr>
<tr>
<td>Potinara Triple Love</td>
<td></td>
</tr>
</tbody>
</table>
he has collected hundreds of micro and miniature orchid species, many of them rare. Those have included a large number of cold and intermediate temperature species, but being a very stubborn grower, he had to try growing them for himself. He has done extended research and is active on different orchid boards, but he doesn’t consider himself an orchid expert. Someone once told him that a beginner orchid grower is someone who has killed less than 10 plants, an advanced orchid grower is someone who has killed more than 100 and an orchid professional is someone who has killed more than 1000 plants and doesn’t count anymore. By this yardstick, he considers himself an advanced grower.

Tomas has been very fortunate to meet and become friends with many international growers and nursery owners. In the beginning, he bought only plants sold by nurseries in the US, but soon has was looking for species he could not find in the US so in the past 6 years, all of his orchids have come from abroad.

His second love is for photography and with growing miniature orchids, there were endless opportunities to take pictures of those amazing, sometimes microscopic blooms. As he began posting them online, it caused quite a “buzz”, leading to invitations from various orchid societies to speak to their members about growing miniature orchids and growing cold species in the hot Florida environment.

The Bromeliad Society / Houston Inc. presents

2019 Spring Sale

Judson Robinson Jr.
Community Center
2020 Hermann Dr
Houston, TX 77004

Saturday
March 16, 2019

Sale hours:
9:00 am to 4:00 pm

Ecuagenera Pre-Orders

Ecuagenera, a grower from Ecuador, will be selling orchids at our Spring show on April 6th & 7th. If you are interested in placing an order, a list of available plants and flasks can be found at the link below. Your order will be delivered to the show.

March Tips
By Father Ted Baenziger

Orchids are our friends and we have invited them to our homes. As invited friends, shouldn’t we offer them what they need for the journey? Granted, some of our ‘chids are not going to make it, because all plants will pass on, eventually. On the other hand, at Kew Gardens, outside of London, there are orchids still living that were collected as early as 1800! What are the Kew-people doing right?

Last month we looked at air and today we want to look at water, the one compound all life depends on to keep going. First, we need to do some chemistry. Fear not, it will be easy.

Water, H₂O, is a universal solvent. This comes about because the H₂ part of water is negatively charged while the Oxygen is positive, making water an attractor on both ends. Thus, water is almost never entirely pure. Even rain water has aerosols (that is, tiny airborne specks around which the drops coalesce). I collect rainwater because it is relatively pure, but the bucketful that I take out of my rain-barrel has dust, pollen, and other sediments, since it comes from my roof. It also has a pH that is almost neutral, 7.0 acidity or less. Higher numbers of 8 or 9, which are more alkaline (think mineral water and Gatorade©, which I do not recommend for orchids) are OK for some plants, but orchids, in general, like the acidity between 6 and 8 and most prefer it to be slightly acidic: 6.5-7.0. Why is that? Well, for one, it makes it easier for the roots to pick up what is in the water, namely Nitrogen in soluble form (N), and other chemicals like Potassium (K) in the form of K₂O (called Potash) and Phosphate (P₂O₅). These are the three ingredients in FERTILIZER for plants, and they are essential for growth and reproduction, i.e. flowers.

In nature the rains come down and carry bird droppings (loaded with potash and nitrogen), leaf decay (nitrogen), pollen, lots of organic matter and whatever is on the leaves and branches, to the thirsty roots of our orchid, which absorbs everything through the velum, a sponge like covering on all epiphytic orchids and most terrestrials as well.

By the way, baby orchids cannot absorb these compounds, since they do not have roots yet. They need help in the form of fungus that they trap and feed upon.

Remember, water dissolves salt. Fertilizer is a combination of salts. Dosage is important, because too much can burn the roots and can cause death. (This is the reason we do not drink sea water). When we say you need to “flush” your orchids it means dissolving the excess that builds up around the roots by using purer water. So, we alternate: weekly fertilizer in a weak solution and then, once a month, a cleansing rinse with no salts.

How to water? If I look at nature, in most places the water rushes past and the roots pick it up, fast. In cloud forests the mist provides plenty of cooling moisture over the whole plant and they have more time, meaning the roots are sometimes very fine. In dry seasons, orchids almost always have mist and dew in early morning to provide some irrigation. We try to give our friends what they need, so wet them down! The thinner the roots, the less they can take drying out. Phalaenopsis need large amounts of water (soak, soak) and then a drying out period, not ice cubes. Water. Hanging baskets and mounts need water and then another bout of water to soak them thoroughly.

Bark mixes tend to dry out quickly, which is good for Encyclia and Cattleya, but when they are dry enough, water twice—fill up, wait, water again. Sphagnum moss can be particularly dangerous because it is: a) is very difficult to get wet when it is dry and b) very hard to dry out, depending on how tightly packed. Make sure to get it thoroughly wet and then wait until almost dry to the touch before going at it again.

How much fertilizer? My GrowMore© premium orchid food, 20-10-20 says 1 teaspoon (5 grams) per gallon. I usually do less, (and almost none in the winter), but in the growing season that dosage is probably safe. Remember to flush every month. Ordinary fertilizer (all-purpose) should be half-dose. By the way, one tablespoon is three teaspoons.

What about slow-dissolving pellets (Osmocote© etc.)? If you use them, put the granules into a tiny sachet next to, but not on the roots. When you water, hit the sachet. Do not just dump those granules into the pot, because they all go to the bottom and burn the roots.

As you water, think deep thoughts and observe the plant. Is it happy? Do the roots look good? Are there critters hanging out? Observe and you will learn what your babies like…

Next month, we’ll look at repotting and media you can use. Happy Mardi Gras!
March 2019

Sun | Mon | Tue | Wed | Thu | Fri | Sat
---|-----|-----|-----|-----|-----|-----
3   | 4   | 5   | 6   | 7   | 8   | 9   
|     |     |     |     | **HOS Meeting** |     |     
10  | 11  | 12  | 13  | 14  | 15  | 16  
| **Newcomer's Meeting** | **Content Due Date** |     |     |     |     |     
24/31 | 25  | 26  | 27  | 28  | 29  | 30  

The Paphinia Book
by Rudolf Jenny

Rudolf Jenny has been working with orchids for more than 45 years, traveling throughout Central and South America in connection with his studies in pollination ecology and taxonomy of orchids. He has published some 500 articles in many of the world’s leading orchid journals and published monographs of the genera Gongora, Stanhopea, Paphinia, and Sievekingia. Recently, he published the first part of a planned book series about the history of orchids and the history of the involved collectors, amateurs, botanists and growers.

He is a regular lecturer at conferences around the world and owner of one of the most complete orchid libraries in private hands. He maintains BibliOrchidea, the world’s largest and free accessible database for orchid literature with more than 178,000 entries, covering about 90% of the existing literature.

He is a Research Associate at the Jany Renz Herbarium, University of Basel, Switzerland, honorary member and Secretary General of the European Orchid Council, honorary member of the German Orchid Society, Fellow of the Orchid Society of Southeast Asia and member of the Orchid Committee of the Royal Horticulural Society.

An excerpt of The Paphinia Book is available starting on page 10 of this newsletter and a review of the book can be found at the link below:


Refreshments
by Lily Chang

The following members provided refreshments for the February HOS meeting: Bill Bartlett, Reva and Robert Raschke, Marsha Fox, Elizabeth Fisher, Bryan Wu, Sarah Bentley, Stacey Pauley, Sandra Higham, Cheri Lee, Judith Neufeld, Troy Merchant, and Virgie and Lily Chang.

We like to eat, so please bring food - lots of food! Many of the same people bring food to almost every meeting, so please consider giving them a break and bringing refreshments.

Raffle Table
by Brad Miller

Thanks to everyone for purchasing tickets at the plant raffle table. It is exciting to see everyone “vote” for the plants they would like to take home the most by purchasing raffle tickets. This month, we will have some fantastic blooming-size dendrobiums from the “R” in H and R Nursery, Mr. Roy Tokunaga. Spoiler alert - they’re really nice ones! And since variety is the spice of life, there will also be a few nice non-dendrobiums raffled as well. Send anyone you meet, who is at their first meeting, for their two free tickets and don’t forget your name badge for YOUR two free tickets. The more tickets you get, the better your odds of winning!
February Meeting Photos
AOS WEBINARS

Tuesday, March 12, 2019
7:30 PM - 8:30 PM CST
Choosing the Best Plant
Lois Cinert

Members Only Webinar

Register

Tuesday, March 26, 2019
7:30 PM - 8:30 PM CST
Greenhouse Chat
Ron McHatton

Register
The Houston Happenings

Upcoming Events

March 8-9, 2019
Greater North Texas Orchid Society Show
Richardson Civic Center
411 W. Arapaho Rd.
Richardson, TX

March 22-24, 2019
Alama Orchid Society Show
San Antonio Garden Center
3310 North New Braunfels Ave
San Antonio, TX

April 6-7, 2019
Houston Orchid Society Show
Memorial City Mall, Dillard's Court
Houston, TX

April 12-14, 2019
Acadian Orchid Society Show
Ira Nelson Horticultural Center
2206 Johnston Street

April 12-13, 2019
Central Louisiana Orchid Society Show
Kees Park Community Center
Pineville, LA

May 17-19, 2019
Redlands International Orchid Festival
Redlands Fruit & Spice Park
Homestead, FL

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VP - Speakers
Nina Rach
VP - Shows
Sarah Bentley
VP - Membership
Stacey Pauley
Treasurer
Winnie Yap
Recording Secretary
Sheila Skov
Past President
Don Ghiz

Chairs
Conservation
Nina Rach
Display Table
Sarah Bentley
Exhibits
Loren Neufeld
Guest Hospitality
Father Ted Baenziger
Happenings Editor
Marianne Canevaro
Intermediate Group
Jay Balchan
Newcomers Group
Stephen and Tim Gallagher
Parliamentarian
Don Ghiz
Photography
Malcolm McCorquodale
Plant Raffle
Brad Miller
Refreshments
Lily Chang
Silent Auction
Frank & Cherie Lee
Spring Show
Jay Balchan
Summer Workshop
Derek Lowenstein
Webmaster
Tom Durrett

Directors - One Year Term
Holly Miller
Steve Fox
Calvin Starr
Marianne Canevaro
Susan Dally
Stephen Moffitt
Ft. Ted Baenziger
Jay Balchan

Directors - Two Year Term

Representatives
AOS Representative
Jay Balchan
IPA Representative
Father Ted Baenziger
ODC Representative
Father Ted Baenziger
SWROGA Directors
Laurie Skov
Don Maples
**Paphinia benzingii** C.H.Dodson & T.Neudecker

**DISTRIBUTION.** So far only known from the northwest of Ecuador, department Esmeraldas, around 750 m in very wet forest together with *Paphinia hirtzii* and *Paphinia litensis*.

**GENERAL.** This species was collected together with *Paphinia hirtzii* and *Paphinia litensis* near Lita in the extreme northwest of Ecuador. The annual rainfall in this area is more than 6,000 mm – extremely wet. Only one drawing of this species is known (published together with the first description) and up until the present time *Paphinia benzingii* remains almost absent in collections. The type specimen should be in the collection of the Missouri Botanical Garden (the collection from the RPSC [Rio Palenque Science Centre] was given by DODSON to Missouri), although it was not possible to locate it there. The isotype in the herbarium of the Botanical Garden Heidelberg (HEID) is also non-existent. If the plant could show up in cultivation, it would be important to collect material for a neotype.

Epiphytic. Rhizome short, pseudobulbs apressed, laterally compressed, narrowly ovate with 2 to 3 leaves at the apex and 1 to 2 distichous, foliaceous sheaths surrounding the base. Leaves thin, heavily-veined on the underside, narrowly ovate to obovate, acuminate at the apex, often light green in color. Inflorescence produced at the base of the pseudobulb, pendant, slender, to 5 cm long, surrounded by 2 to 4 evaginating sheaths; 1–3 flowered; floral bracts ovate, to 0.8 x 0.4 cm. Ovary pedicellate, terebrate, to 3 cm long x 0.2 cm in diameter. Flowers 5 cm in diameter when spread, sepals and petals white heavily spotted and blotched with red-brown, the lip white with red-brown spots on the lateral lobes, sepals spreading, membranaceous, oblong-ovate, acuminate, to 3.75 x 0.5 cm; lateral sepals united at the base to the column foot; petals narrowly ovate to elliptic, acuminate to 3.3 x 0.5 cm; lip 3-lobed, 2.3 cm long; the base formed by a narrow claw united to the apex of the column foot, with one pair of reduced cilia on the lateral rim; the lateral lobes falcate, acute, with a truncate keel-like callus situated on the disc with a clavate cilia at each end, the basal 0.2 cm long, the apical 0.1 cm long; the apical lobe subulate, obtuse at the base, the apex prolonged to form an oblong lobe with cilia around the margin; column arcuate, laterally winged for the upper 1/4, pollinia 2, obvolute, united to the apex of a slender stipe, 0.35 cm long united to a round viscid disc.

**TYPE.** Ecuador., Esmeraldas, km.12 road Lita to San Lorenzo, 750 m, Dodson 16805 et al., holotype RPSC, isotype HEID

1. **Paphinia benzingii** Dodson & Neudecker, sp. nov. 
   **Diagnosis:** Affinis Paphinia neudeckeri Jenny, sed per praesentiam ciliorum bicornum valde reducitorum in crassitudine basali libelli et epicom angustum, extensum diversa.

   Epiphytisch wachsend. Rhizom kurz, Pseudobulben gedrängt angeordnet, seitlich abgeflacht, schmal eiformig mit zwei bis drei Blättern an der Spitze und ein bis zwei, die Basis umfassenden gegenständigen Blattscheiden. Blätter dünn, auf der Unterseite stark geiernet, schmal eiförmig bis oval, spitz ausgezogen, oft heiliggrün. Infloreszenz an der Basis der Pseudobulben entspringend, locker hängend, bis 5 cm lang, einge- hüllt von zwei bis vier Blattscheiden; 1–3 blühlit: Brakteen eiformig, bis 0.8 x 0.4 cm. Fruchtformen ge- stielt, abgerundet, bis 3 cm lang und 0.2 cm im Durch- messer. Blüten ausgebretet 8 cm groß, Sepalen und Petalen weiß, stark rotbraun gepunktet und gefleckt. Lippe weiß mit rotbraunen Punkten auf den Seitenlap- pen; Sepalen spreizend, von zarter Struktur, länglich- eiformig, 3.75 x 0.5 cm; seitliche Sepalen an der Basis mit dem Säulenfuß verwachsen; Petalen schmal eiformig bis elliptisch, gespitzt, 3.3 x 0.5 cm; Lippe dreilappig, 2.3 cm lang, an ihrer Basis über eine schmale Klause mit der Spitze des Säulenfußes verwachsen und mit einem Paar reduzierter Haare an den Seitenrändern versehen. Seitenlappen scheinelliptisch, spitz, dar- zwischen ein gestauchter, kielförmiger Kallus mit je einem kneusartigen Anhängsel an beiden Enden; das basale 0.2 cm, das apikale 0.1 cm lang. Der Mittellapp- pen ist keulenförmig, an der Basis stumpf, die Spitze ausgezogen in Form eines länlichen Lappens mit haarrigen Anhängseln entlang seiner Ränder; Säule gebogen, im oberen Drittel seitlich flügelähnlich ausge- zogen; 2 Pollinien, eiformig, mit der Spitze eines zarten Stipites verwachsen; dieser 0.35 cm lang und mit einer runden Klebscheibe versehen.
Inflorescence of the type specimen of *Paphinia benzingii* (courtesy of Tilman Neudecker)

Portrait of David H. Benzing

Flower of the type specimen of *Paphinia benzingii* (courtesy of Tilman Neudecker)

Lip of *Paphinia benzingii* (courtesy of Tilman Neudecker)
07 Plant of Paphinia benzingii (courtesy of Peter T. Jensen)
08 & 09 Flower of Paphinia benzingii (courtesy of Peter T. Jensen)
10 & 11 Lip of Paphinia benzingii (courtesy of Heiko Hentrich)
12 Flowering plant of *Paphinia benzingii* (courtesy of Heiko Hentrich)

01 First description of *Paphinia cristata* as *Maxillaria cristata* from Edwards’s Botanical Register, t.1811, 1836

02 Text of plate 30 of *Paphinia randi* or *Paphinia cristata* var. *randi* from Lindenia, 1885